

**Solve each problem.****Answers**

- 1) A school had to buy 72 new science books and it ended up costing \$6,675.84 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.
- 2) A school fundraiser sold 6 candy bars and earned 20.22 dollars total. Write an equation that can be used to express the relationship between the total amount earned(t) and each candy bar sold(b).
- 3) At a carnival it costs \$23.31 for 7 tickets. Write an equation that can be used to express the relationship between the total cost (t) and the number of tickets(n) you buy.
- 4) In a game defeating 32 enemies earns you 8,000.00 total points. Write an equation that can be used to express the relationship between the total points earned (t) and the number of enemies(e) you defeat.
- 5) You can buy 12 pieces of chicken for \$17.16. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.
- 6) The combined weight of 3 concrete blocks is 44.43 kilograms. Write an equation that can be used to express the relationship between the total weight(t) and the number of concrete blocks(b) you have.
- 7) It cost \$586.24 for 64 pounds of beef jerky. Write an equation that can be used to express the relationship between the total cost(t) and the pounds of beef jerky(p) purchased.
- 8) A company used 250.00 lemons to make 50 bottles of lemonade. Write an equation that can be used to express the relationship between the total number of lemons needed (t) for each bottle of lemonade (b).
- 9) Using a water hose for 5 minutes used up 6.20 total gallons of water. Write an equation that can be used to express the relationship between the total gallons used (t) and the minutes(m) used.
- 10) Using 99 boxes of nails a carpenter was able to finish 891.00 bird houses. Write an equation that can be used to express the relationship between the total number of birdhouses completed(t) and the boxes of nails(b) used.

1. _____
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8. _____
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10. _____



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Answers

1. $t = b92.72$

2. $t = b3.37$

3. $t = n3.33$

4. $t = e250.00$

5. $t = c1.43$

6. $t = b14.81$

7. $t = p9.16$

8. $t = b5.00$

9. $t = m1.24$

10. $t = b9.00$